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INSPECTORATE

QUALITY CERTIFICATE

Vessel	TRANSFER	Port	PORTSMOUTH, NH	Report	PL05-746
Customer	SPRAGUE ENERGY	Date	January 3, 2006	Ref. No.	
Operation	ANALYSIS	Terminal	SPRAGUE GOLING ROAD	Sample #	32666

Material being tested

#6 FUEL OIL(2.0%)

Description of sample source

SHORE TANK # 1

Samples Drawn by (company)

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Samples Tested by (company)

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Tests being Performed		Test method	Minimum	Maximum	Sample Result
API Gravity @60/F	Calculated Average	D-4052	10.1		10.2
Sulphur, %wt	Calculated Average	D-4294		2.00	2.00
Viscosity, CST @ 50C	Calculated Average	D-445			472
Viscosity, SSF @ 122F	Calculated Average	D-445/2161			223
Water by Distillation, Vol %		D-95			0.10
Sediment by Extraction, Wt %		D-473			0.04
Water & Sediment, Vol %		D-1796			0.10
Flash Pt/F		D-93 B			195
Ash, %wt		D-482			0.003
Vanadium, ppm		IP-470			66
Sodium, ppm		IP-470			11
Nitrogen, Wt % *		D-5762			0.3893
Heat Of Combustion, Per Pound		D-240			18107
Heat Of Combustion, Per Gallon		Conversion			150596
Asphaltenes, Wt %		IP-143			3.9
Carbon Residue, % wt		D-4530			13.3
Pour Point,F		D-97			21.2
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* test preformed by IAC Boston

DAVID CAWOOD

Inspectorate America So Portland, Me